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Safety Data Shee	et	
Globally Proven Construction Solutions		
Construction Solutions		

1. **PRODUCT IDENTIFICATION**

TRADE NAME (as labeled): SPECTRALOCK® PRO Premium Grout Part B

CHEMICAL FAMILY: Epoxy Resin

MANUFACTURER'S/ DISTRIBUTOR'S NAME:

LATICRETE South East Asia Pte Ltd

38 Sungei Kadut,

Street 2 (Level2 A3),

Singapore 729245.

Phone number for additional information: (65) 6515 3028

Date prepared or revised: 09/07/2024

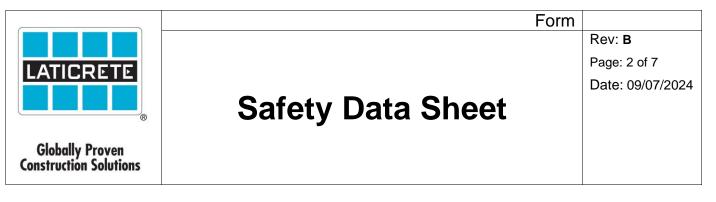
2. HAZARDOUS INGREDIENTS

CHEMICAL NAMES	CAS NUMBER	PRECENT*
Oxirane, 2,2'-[(1- methylethylidene)bis(4,1- phenyleneoxymethylene)]bis-, homopolymer	25085-99-8	45-52
Formaldehyde, polymer with (chloromethyl)oxirane and phenol	9003-36-5	10-17
Alkyl (C12-14) glycidyl ether	68609-97-2	7-14
Petroleum distillates, hydrotreated light	64742-47-8	0.1-1
Polyethylene glycol	25322-68-3	<=0.039
Potassium hydroxide	1310-58-3	0.0225

*Percentages are listed in weight by weight percentage (w/w%) for liquid and solid ingredients. Gas ingredients are listed in volume by volume percentage (v/v%).

3. HEALTH HAZARD INFORMATION

SYMPTOMS OF OVEREXPOSURE for each potential route of exposure. (Possible Longer Term Effects) : N/A



SIGNS AND SYMPTOMS OF EXPOSURE (Acute effects)

Inhaled	: Vapors may cause headache, fatigue, dizziness and nausea.
Contact with skin or eyes	: Causes skin and eye burns. May cause an allergic skin reaction.
Absorbed through skin	: N/A
Swallowed	: May cause burns of the gastrointestinal tract if swallowed. May
	cause nausea, headache, dizziness and intoxication.

SUSPECTED CANCER AGENT?

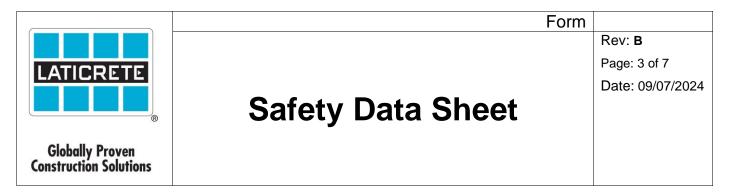
NO: This product's ingredients are not found in the lists.

4. FIRST AID: EMERGENCY PROCEDURES

Description of First-aid Measures

2000.000.000.0000	
General	: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
Inhalation	: When symptoms occur: go into open air and ventilate suspected area. Obtain medical attention if breathing difficulty persists.
Skin Contact	: Remove contaminated clothing. Immediately drench affected area with water for at least 15 minutes. Obtain medical attention if irritation/rash develops or persists.
Eye Contact	: Immediately rinse with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Obtain medical attention.
Ingestion	: Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.
Most Important Symp	ptoms and Effects Both Acute and Delayed
General	: Skin sensitization. Causes skin irritation. Causes serious eye irritation.
Inhalation	: Prolonged exposure may cause irritation.
Skin Contact	: May cause an allergic skin reaction. Redness, pain, swelling, itching, burning, dryness, and dermatitis.
Eye Contact	: Contact causes severe irritation with redness and swelling of the
•	conjunctiva.
Ingestion	conjunctiva.
Ingestion Chronic Symptoms	•

Indication of Any Immediate Medical Attention and Special Treatment Needed If exposed or concerned, get medical advice and attention. If medical advice is needed, have product container or label at hand.



5. <u>FIRE FIGHTING MEASURES</u>

Extinguishing Media Suitable Extinguishing Media	: Water spray, fog, carbon dioxide (CO2), alcohol-resistant foam, or dry chemical.
Unsuitable Extinguishing Media	: Do not use a heavy water stream. Use of heavy stream of water may spread fire.
Special Hazards Arising from the S	ubstance or Mixture
Fire Hazard	: Not considered flammable but may burn at high temperatures.
Explosion Hazard	: Product is not explosive.
Reactivity	: Hazardous reactions will not occur under normal conditions.
Advice for Firefighters	
Precautionary Measures Fire	: Exercise caution when fighting any chemical fire.
Firefighting Instructions	: Use water spray or fog for cooling exposed containers.
Protection During Firefighting	: Do not enter fire area without proper protective equipment, including respiratory protection.
Hazardous Combustion Products	: Carbon oxides (CO, CO2). Nitrogen oxides. Sulfur oxides. Phenolic compounds.
Other Information	: Do not allow run-off from fire fighting to enter drains or water courses.

Reference to Other Sections Refer to Section 9 for flammability properties.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures General Measures : Avoid breathing (vapor, mist, spray). Do not get in eyes, on skin, or on clothing. Avoid all contact with skin, eyes, or clothing.

For Non-Emergency PersonnelProtective Equipment: Use appropriate personal protective equipment (PPE).Emergency Procedures: Evacuate unnecessary personnel.

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For Emergency PersonnelProtective EquipmentEmergency Procedures: Equip cleanup crew with proper protection.: Upon arrival at the scene, a first responder is expected to
recognize the presence of dangerous goods, protect oneself and
the public, secure the area, and call for the assistance of trained
personnel as soon as conditions permit. Ventilate area.

Environmental Precautions

Prevent entry to sewers and public waters. Avoid release to the environment. Collect spillage.

Methods and Materials for C	ontainment and Cleaning Up
For Containment	: Contain any spills with dikes or absorbents to prevent migration
	and entry into sewers or streams.
Methods for Cleaning Up	: Clean up spills immediately and dispose of waste safely. Transfer spilled material to a suitable container for disposal. Contact competent authorities after a spill.

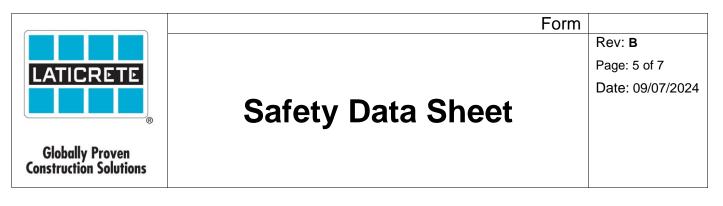
Reference to Other Sections

See Section 8 for exposure controls and personal protection and Section 13 for disposal considerations.

7. HANDLING AND STORAGE

Precautions for Safe Handling	
Precautions for Safe Handling	: Avoid contact with skin, eyes and clothing. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when
	leaving work. Avoid breathing vapors, mist, spray.
Hygiene Measures	: Handle in accordance with good industrial hygiene safety procedures.
Conditions for Safe Storage, Including Any	Incompatibilities
Technical Measures	: Comply with applicable regulations.
Storage Conditions	: Keep container closed when not in use. Store in a

Storage Conditions	: Keep container closed when not in use. Store in a
	dry, cool place. Keep/Store away from direct
	sunlight, extremely high or low temperatures and
	incompatible materials.
Incompatible Materials	: Strong acids, strong bases, strong oxidizers.



Specific End Use(s) Grout.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

Control Parameters

For substances listed in section 3 that are not listed here, there are no established exposure limits from the manufacturer, supplier, importer, or the appropriate advisory agency including: ACGIH (TLV), AIHA (WEEL), NIOSH (REL), OSHA (PEL), or Canadian provincial governments.

Petroleum distillates, hydrotreated light (64742-47-8)			
British Columbia	OEL TWA (mg/m³)	200 mg/m ³ (application	
		restricted to conditions in	
		which	
Potassium hydroxide (1310-	-58-3)		
USA ACGIH	Ceiling (mg/m ³)	2 mg/m ³	
USA NIOSH	NIOSH REL (ceiling) (mg/m ³)	2 mg/m ³	
Alberta	OEL Ceiling (mg/m ³)	2 mg/m ³	
British Columbia	OEL Ceiling (mg/m ³)	2 mg/m ³	
Manitoba	OEL Ceiling (mg/m ³)	2 mg/m ³	
New Brunswick	OEL Ceiling (mg/m ³)	2 mg/m ³	
Newfoundland & Labrador	OEL Ceiling (mg/m ³)	2 mg/m ³	
Nova Scotia	OEL Ceiling (mg/m ³)	2 mg/m ³	
Nunavut	OEL Ceiling (mg/m ³)	2 mg/m ³	
Northwest Territories	OEL Ceiling (mg/m ³)	2 mg/m ³	
Ontario	OEL Ceiling (mg/m ³)	2 mg/m ³	
Prince Edward Island	OEL Ceiling (mg/m ³)	2 mg/m ³	
Québec	PLAFOND (mg/m ³)	2 mg/m ³	
Saskatchewan	OEL Ceiling (mg/m ³)	2 mg/m ³	
Yukon	OEL Ceiling (mg/m ³)	2 mg/m ³	
Polyethylene glycol (25322-68-3)			
USA AIHA	WEEL TWA	10 mg/m ³ (molecular	
		weight>200-aerosol)	

Appropriate Engineering Controls

: Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any

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> potential exposure. Ensure adequate ventilation, especially in confined areas. Ensure all national/local regulations are observed.

Personal Protective Equipment	: Gloves. Protective clothing. Protective goggles.

- Materials for Protective Clothing : Chemically resistant materials and fabrics.
- Hand Protection : Wear protective gloves.
- Eye and Face Protection : Chemical safety goggles.
- Skin and Body Protection : Wear suitable protective clothing.
- Respiratory Protection : If exposure limits are exceeded or irritation is experienced, approved respiratory protection should be worn. In case of inadequate ventilation, oxygen deficient atmosphere, or where exposure levels are not known wear approved respiratory protection.

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- Other Information
- : When using, do not eat, drink or smoke.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State	: Liquid
Appearance	: White
Odor	: Ammonia
Odor Threshold	: Not available
рН	: Not available
Evaporation Rate	: Not available
Melting Point	: 0 °C (32 °F)
Freezing Point	: Not available
Boiling Point	: 100 °C (212 °F)



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Safety Data Sheet

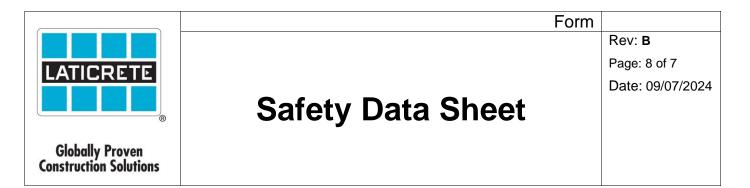
Flash Point : Not available Auto-ignition Temperature : Not available Decomposition Temperature : Not available Flammability (solid, gas) : Not applicable Lower Flammable Limit : Not available Upper Flammable Limit : Not available Vapor Pressure : Not available Relative Vapor Density at 20°C : Not available **Relative Density** : Not available Specific Gravity : 1.09 Solubility : Water: Soluble Partition Coefficient: N-Octanol/Water : Not available Viscosity : Not available

10. STABILITY AND REACTIVITY

Reactivity	: Hazardous reactions will not occur under normal
	conditions.
Chemical Stability	: Stable under recommended handling and storage
	conditions (see section 7).
Possibility of Hazardous Reactions	: Hazardous polymerization will not occur.
Conditions to Avoid	: Direct sunlight, extremely high or low temperatures, and
	incompatible materials.
Incompatible Materials	: Strong acids, strong bases, strong oxidizers.
Hazardous Decomposition Products	: Not expected to decompose under ambient conditions.

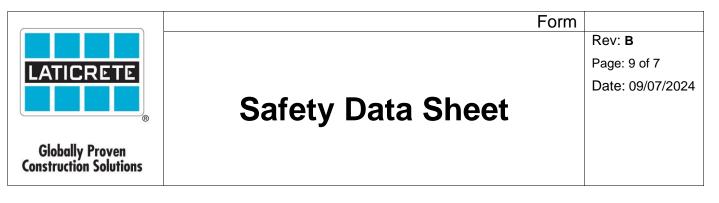
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11. TOXICOLOGY INFORMATION

Information on Toxicological Effects – Product			
Acute Toxicity (Oral)	: Not classified		
Acute Toxicity (Dermal)	: Not classified		
Acute Toxicity (Inhalation)	: Not classified		
LD50 and LC50 Data	: Not available		
Skin Corrosion/Irritation	: Causes severe irritation.		
Eye Damage/Irritation	: Causes serious eye damage.		
Respiratory or Skin Sensitization	: May cause an allergic skin reaction.		
Germ Cell Mutagenicity	: Not classified		
Carcinogenicity	: Not classified		
Specific Target Organ Toxicity (Repeated Exposure)	: Not classified		
Reproductive Toxicity	: Not classified.		
Specific Target Organ Toxicity (Single Exposure)	: Not classified		
Aspiration Hazard	: Not classified		
Symptoms/Injuries After Inhalation	: Prolonged exposure may cause irritation.		
Symptoms/Injuries After Skin Conta	ct : May cause an allergic skin reaction. Redness, pain, swelling, itching, burning, dryness, and dermatitis.		
Symptoms/Injuries After Eye Contac	ct : Contact causes severe irritation with redness and swelling of the conjunctiva.		
Symptoms/Injuries After Ingestion	: Ingestion may cause adverse effects.		



Chronic Symptoms

: None expected under normal conditions of use.

Information on Toxicological Effects - Ingredient(s)

LD50 and LC50 Data:		
Petroleum distillates, hydrotreated light (64742-47-8)		
LD50 Oral Rat	> 5000 mg/kg	
LD50 Dermal Rabbit	> 2000 mg/kg	
LC50 Inhalation Rat	> 5.3 mg/l/4h	
Potassium hydroxide (1310-58-3)	•	
LD50 Oral Rat	284 mg/kg	
Polyethylene glycol (25322-68-3)		
LD50 Oral Rat	22 g/kg	
LD50 Dermal Rabbit	> 20 g/kg	
Alkyl (C12-14) glycidyl ether (68609-97-2)		
LD50 Oral Rat	17100 mg/kg	
LD50 Dermal Rabbit	> 3987 mg/kg	
Formaldehyde, polymer with (chloromethyl)oxirane and phenol (9003-36-5)		
LD50 Oral Rat	> 2 g/kg	

12. ECOLOGICAL INFORMATION

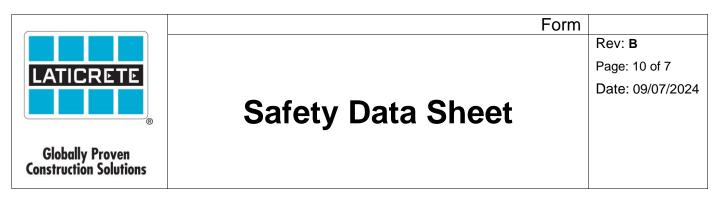
Toxicity

Ecology - General: Toxic to aquatic life with long lasting effects.

Petroleum distillates, hydrotreated light (64742-47-8)	
LC50 Fish 1	45 mg/l (Exposure time: 96 h - Species:
	Pimephales promelas [flow-through])
LC50 Fish 2	2.2 mg/l (Exposure time: 96 h - Species:
	Lepomis macrochirus [static])
Formaldehyde, polymer with (chloromethyl)oxirane and phenol (9003-36-5)	
LOEC (Acute)	0.3 mg/l Daphnia magna
NOEC Chronic Crustacea	0.3 mg/l Daphnia magna

Persistence and Degradability

SPECTRALOCK® PRO Premium Grout Part B	
Persistence and Degradability	May cause long-term adverse effects in
	the environment.



Bioaccumulative Potential

SPECTRALOCK® PRO Premium Grout Part B	
Bioaccumulative Potential	Not established.
Petroleum distillates, hydrotreated light (64742-47-8)	
BCF Fish 1	61-159
Potassium hydroxide (1310-58-3)	
Log Kow	0.65

Mobility in Soil : Not available

Other Adverse Effects

Other Information : Avoid release to the environment.

13. DISPOSAL CONSIDERATIONS

Waste treatment methods

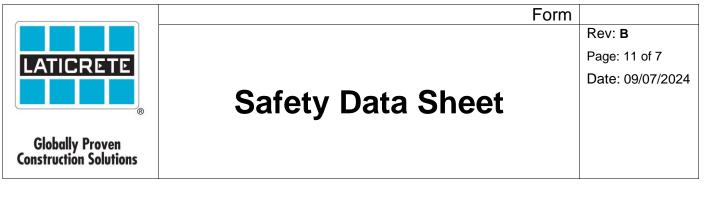
Waste Disposal Recommendations	: Dispose of contents/container in accordance with local, regional, national, and international regulations
Additional Information	: Container may remain hazardous when empty. Continue to observe all precautions.
Ecology - Waste Materials	: Avoid release to the environment. This material is hazardous to the aquatic environment. Keep out of sewers and waterways.

14. TRANSPORT INFORMATION

This Material is not restricted as per IATA.

15. <u>REGULATORY INFORMATION</u>

i Irritant
36/38 Irritating to eyes and skin.
3 May cause sensitization by skin contact
In case of contact with eyes, rinse immediately with plenty of ter and seek medical advice. S28 After contact with skin, wash



immediately with plenty of water and soap. S37/39 wear suitable gloves and eye/face protection.

16. OTHER INFORMATION

This information is furnished without warranty, representation, inducement or license of any kind; except that it is accurate to the best of our knowledge, or obtained from sources believed by us to be accurate.